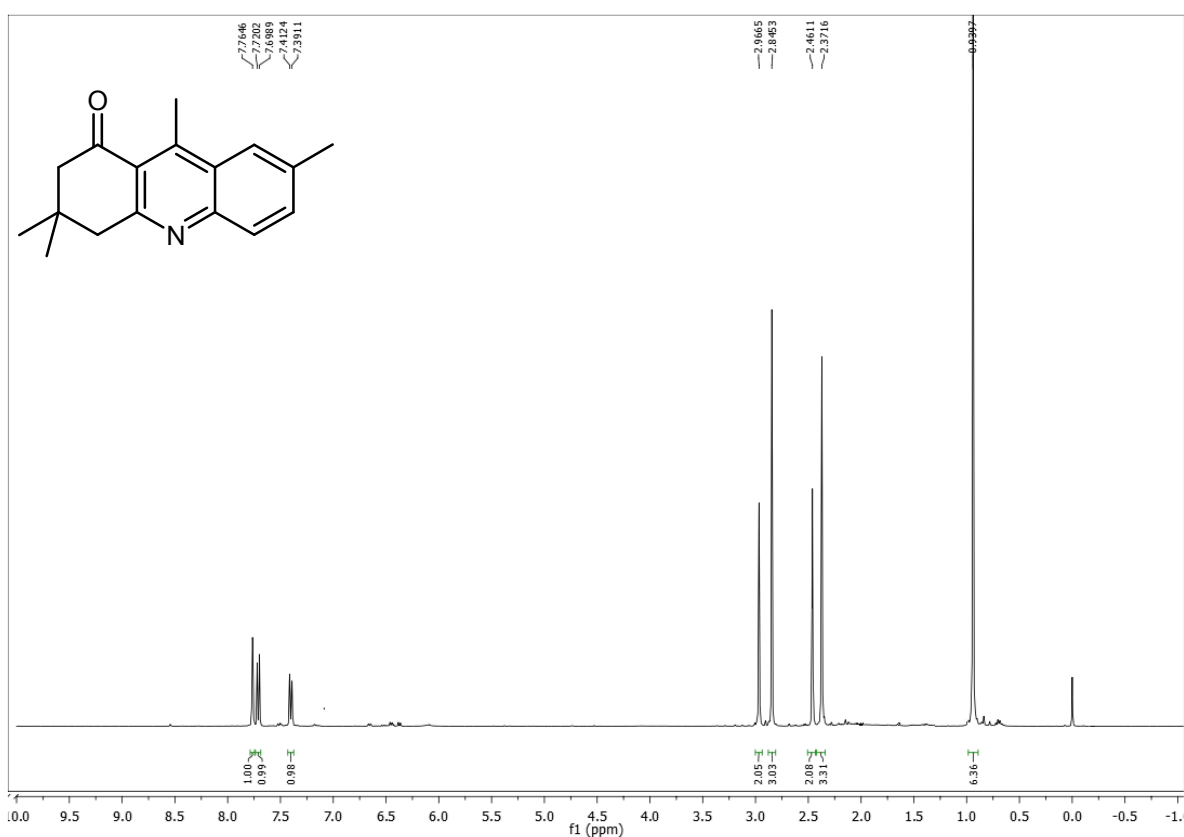


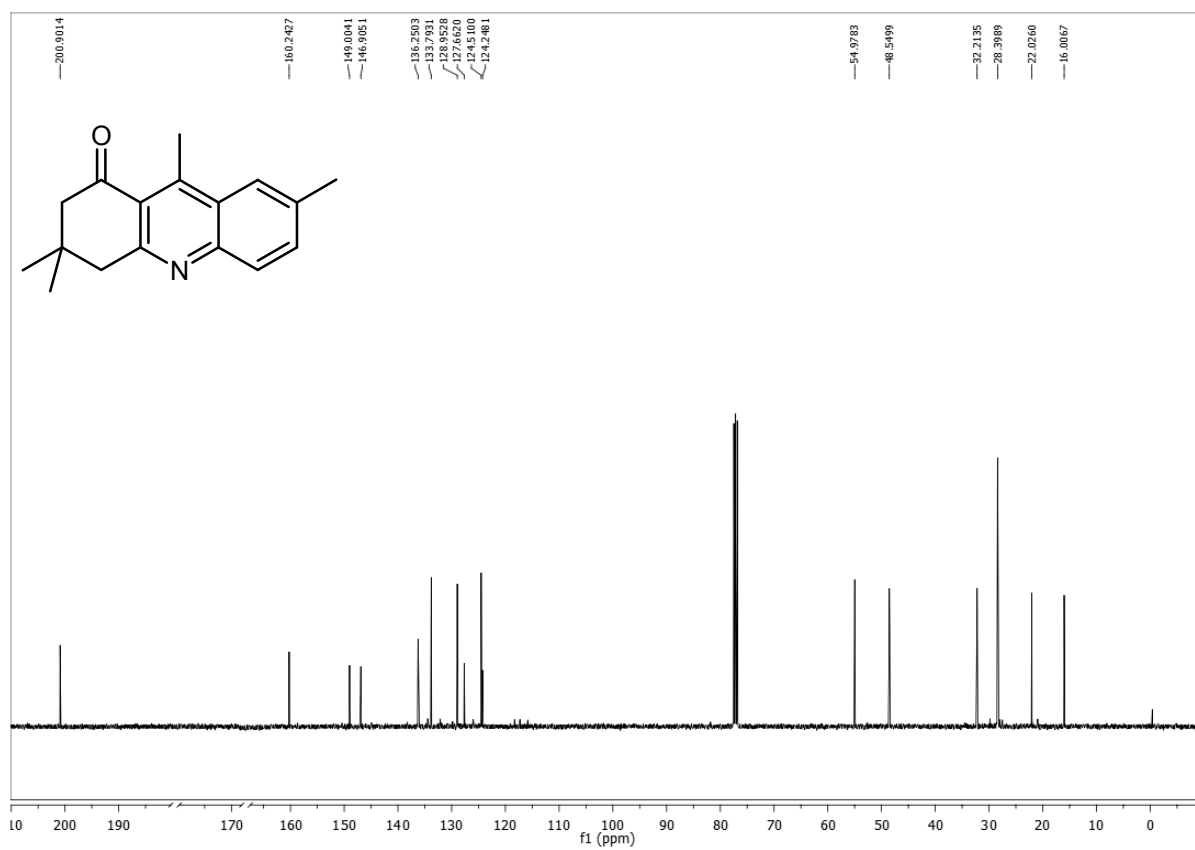
Synthesis of 4-methyl-2,3-disubstituted quinolines scaffolds *via* environmentally benign Fe(III) catalysed sequential condensation, cyclization and aromatization of 1,3-diketone and 2-ethynyl aniline

Mahalingam Sivaraman and Paramasivan T. Perumal *

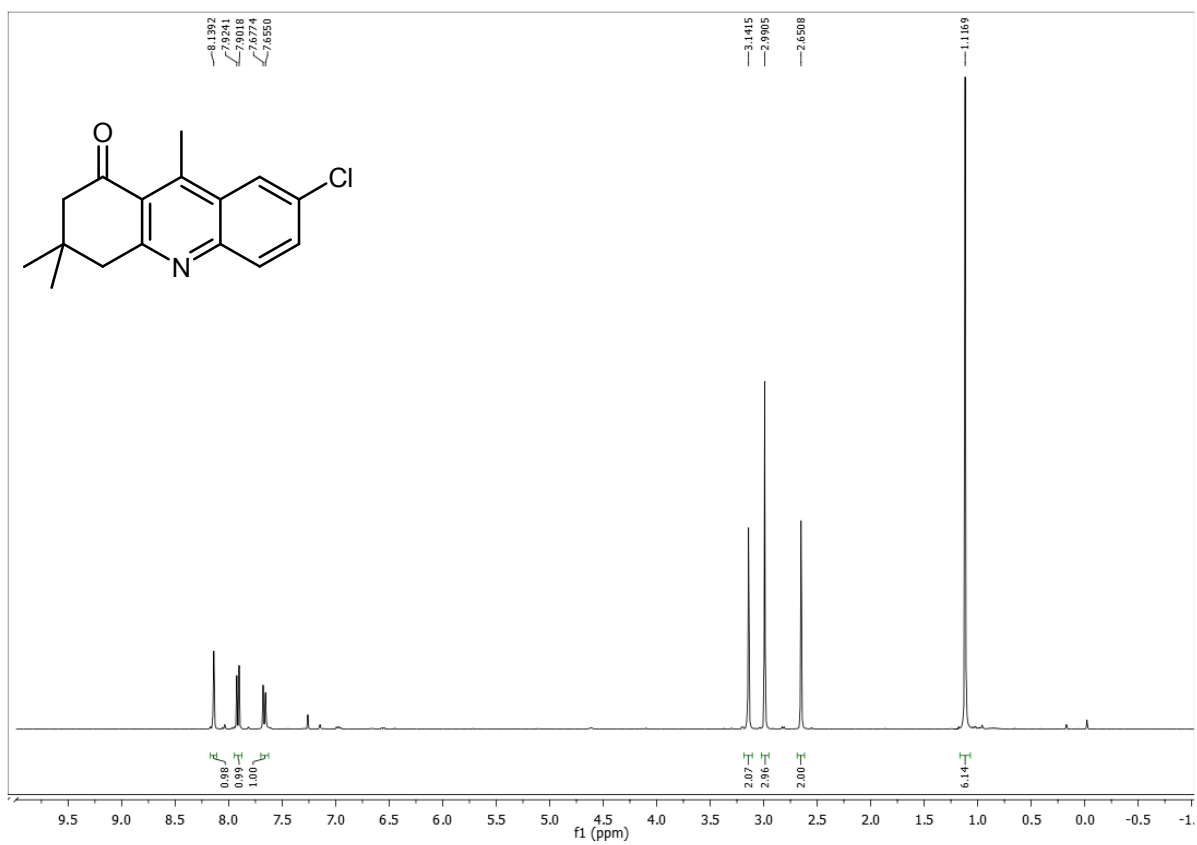
Organic Chemistry Division, CSIR-Central Leather Research Institute, Adyar, Chennai, 600020, Tamilnadu, India. Fax: +91 44 24911589; Tel: +91 44 24913289; E-mail: ptperumal@gmail.com



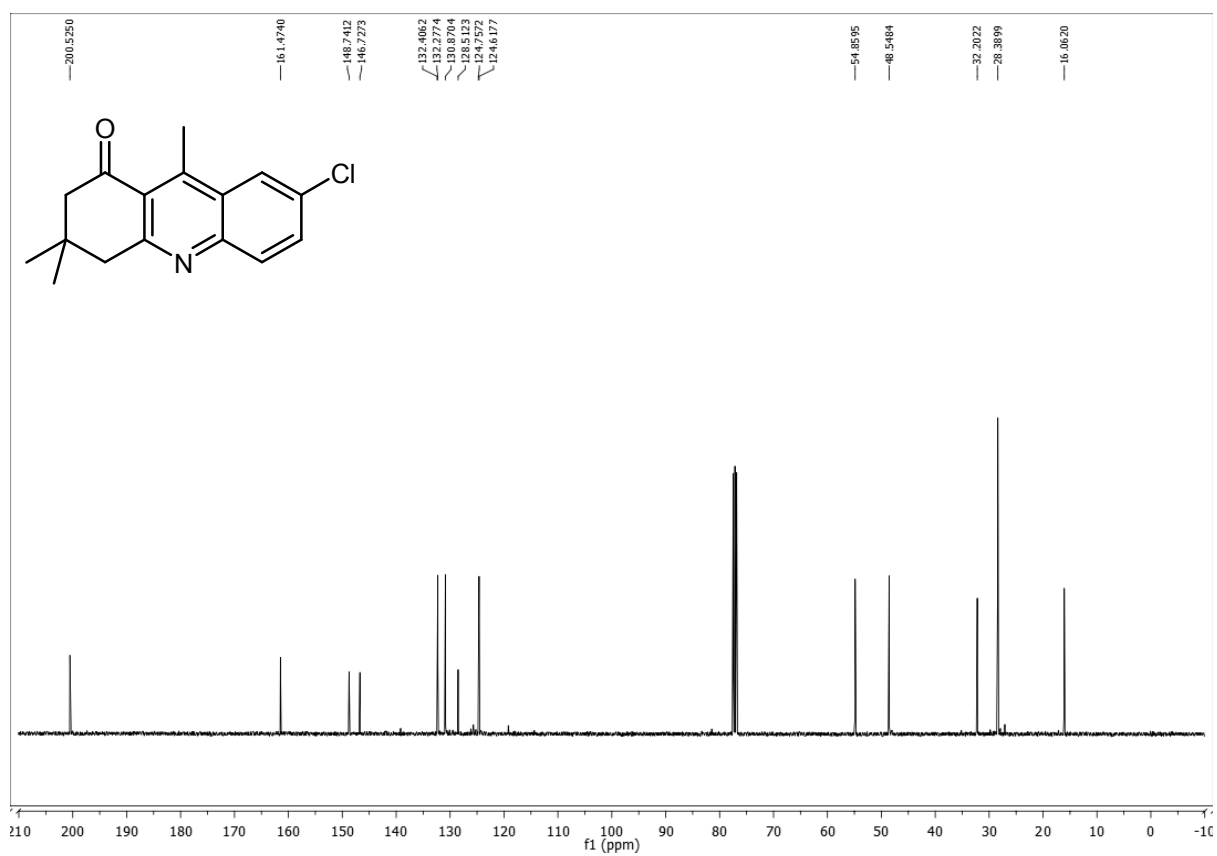
¹H NMR spectrum of 3,4-dihydro-3,3,7,9-tetramethylacridin-1(2H)-one **3i**



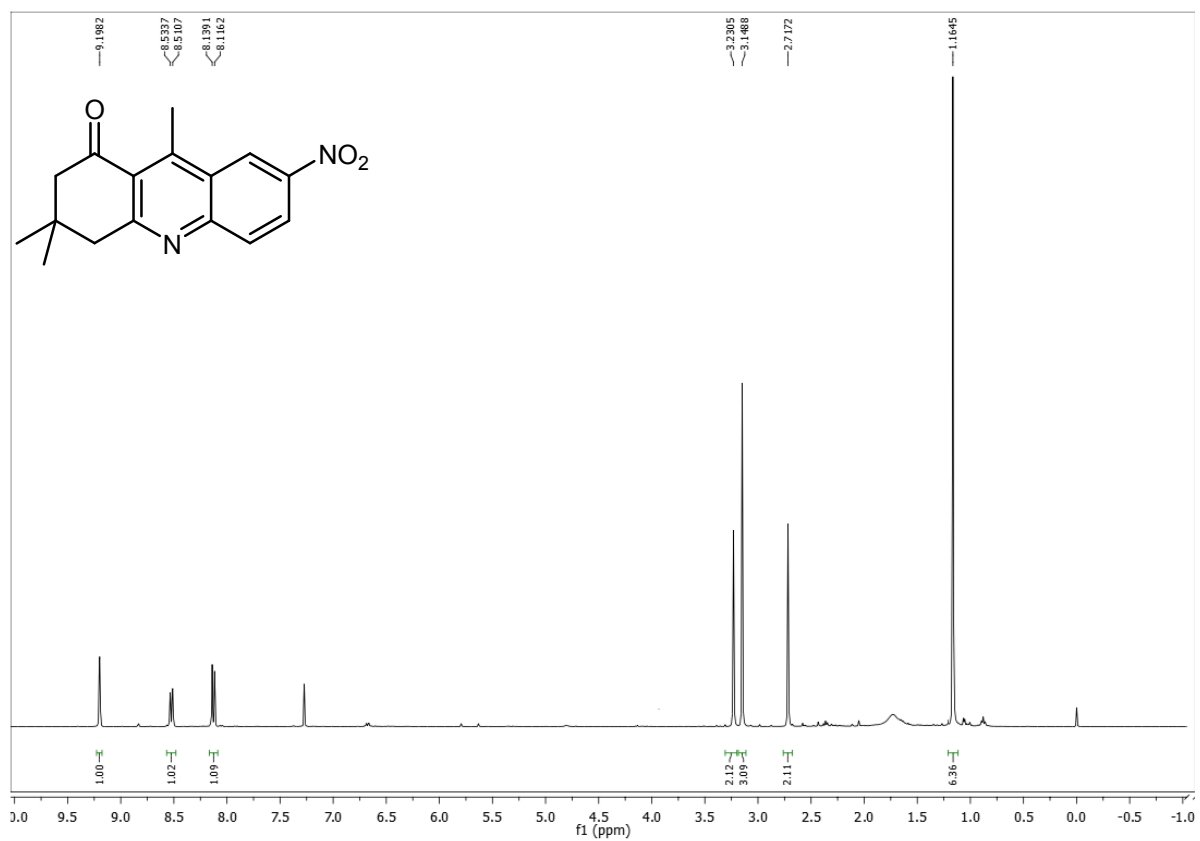
^{13}C NMR spectrum of 3,4-dihydro-3,3,7,9-tetramethylacridin-1(2H)-one **3i**



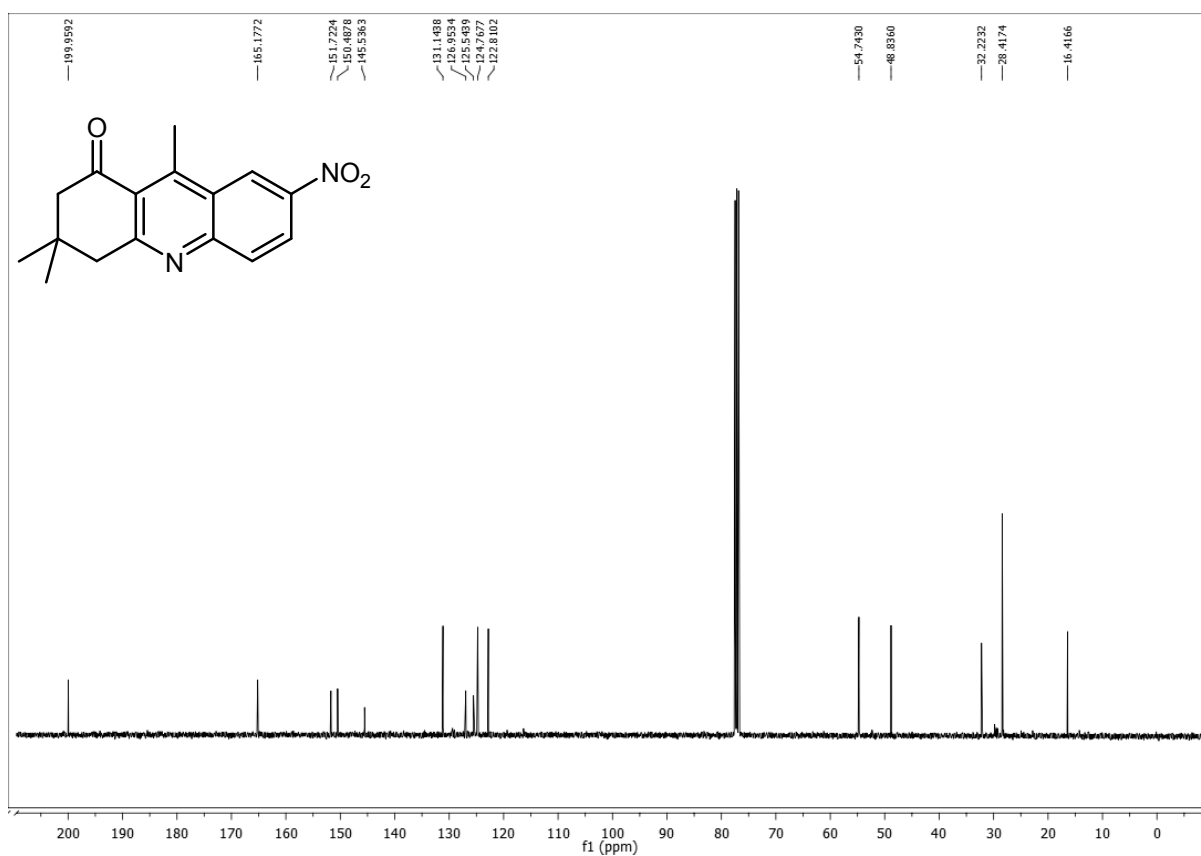
¹H NMR spectrum of 7-chloro-3,4-dihydro-3,3,9-trimethylacridin-1(2H)-one **3j**



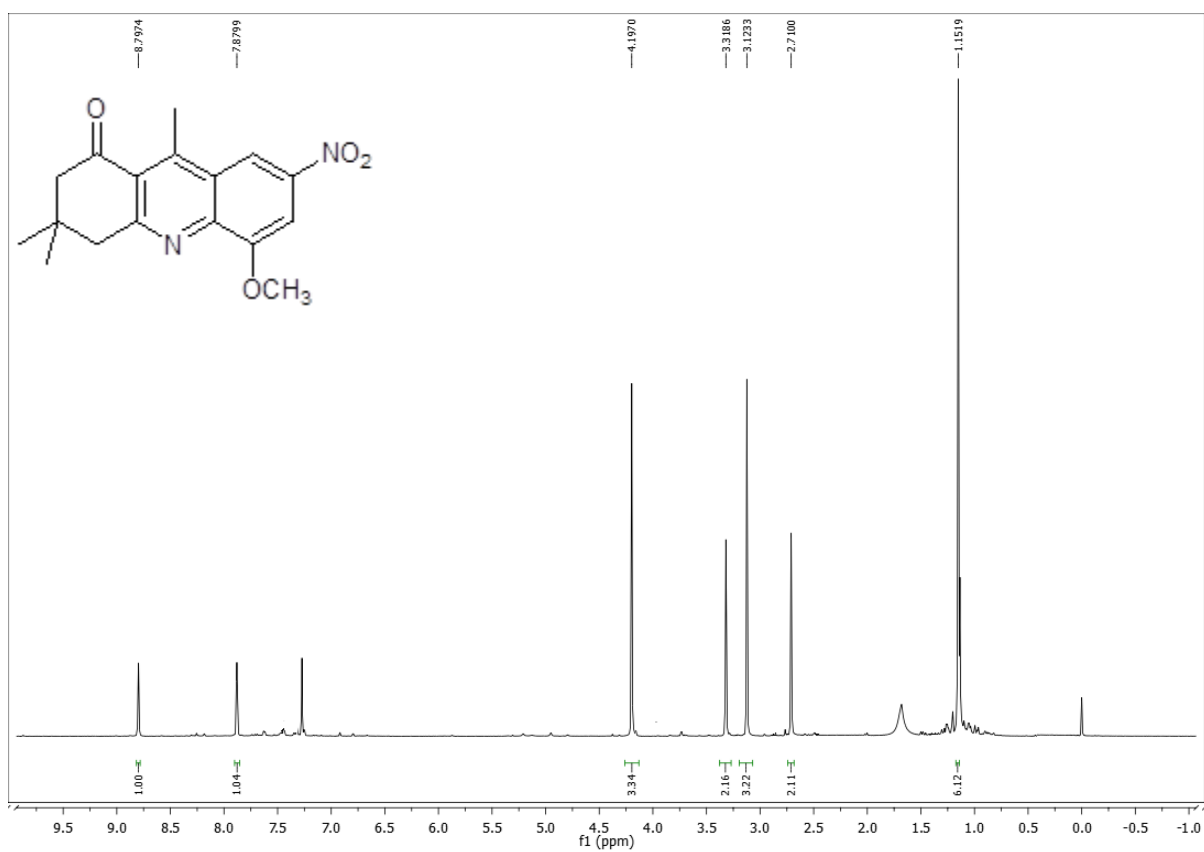
¹³C NMR spectrum of 7-chloro-3,4-dihydro-3,3,9-trimethylacridin-1(2H)-one **3j**



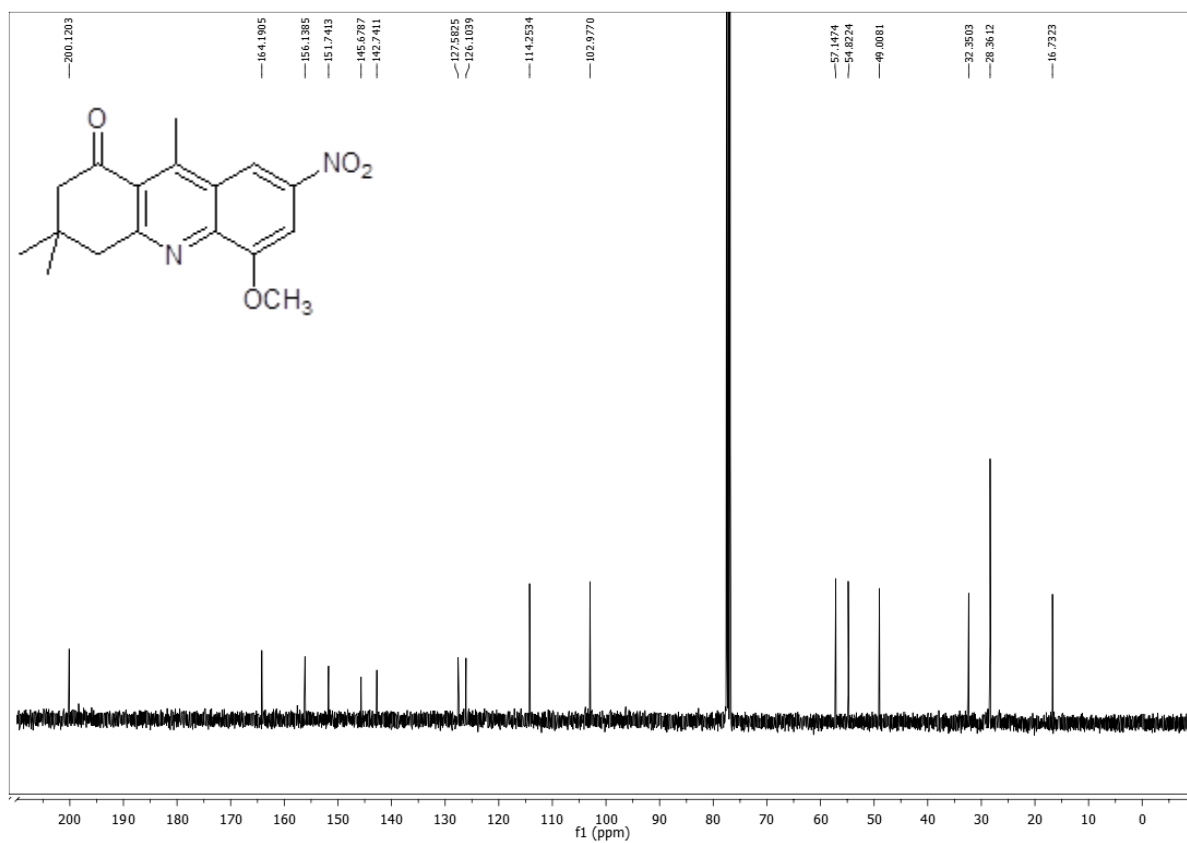
¹H NMR spectrum of 3,4-dihydro-3,3,9-trimethyl-7-nitroacridin-1(2H)-one **3k**



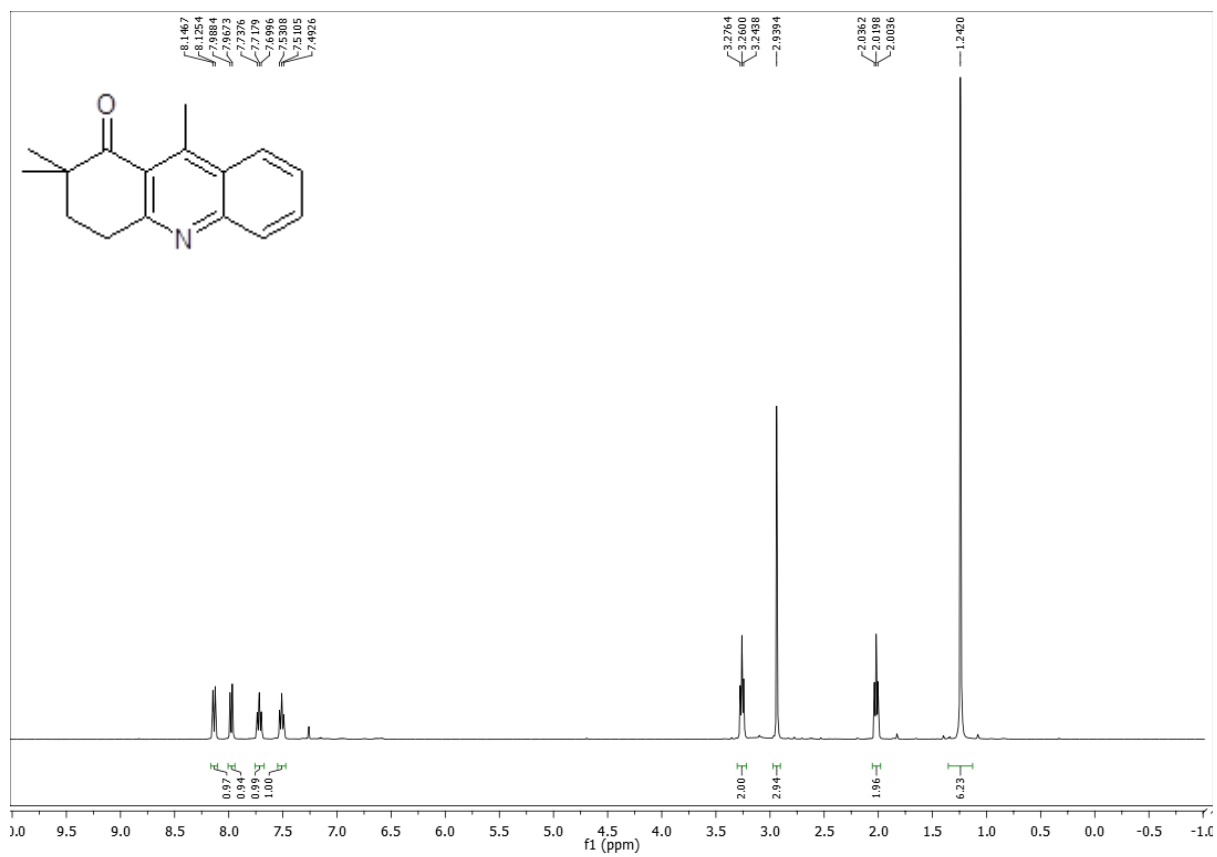
^{13}C NMR spectrum of 3,4-dihydro-3,3,9-trimethyl-7-nitroacridin-1(2H)-one **3k**



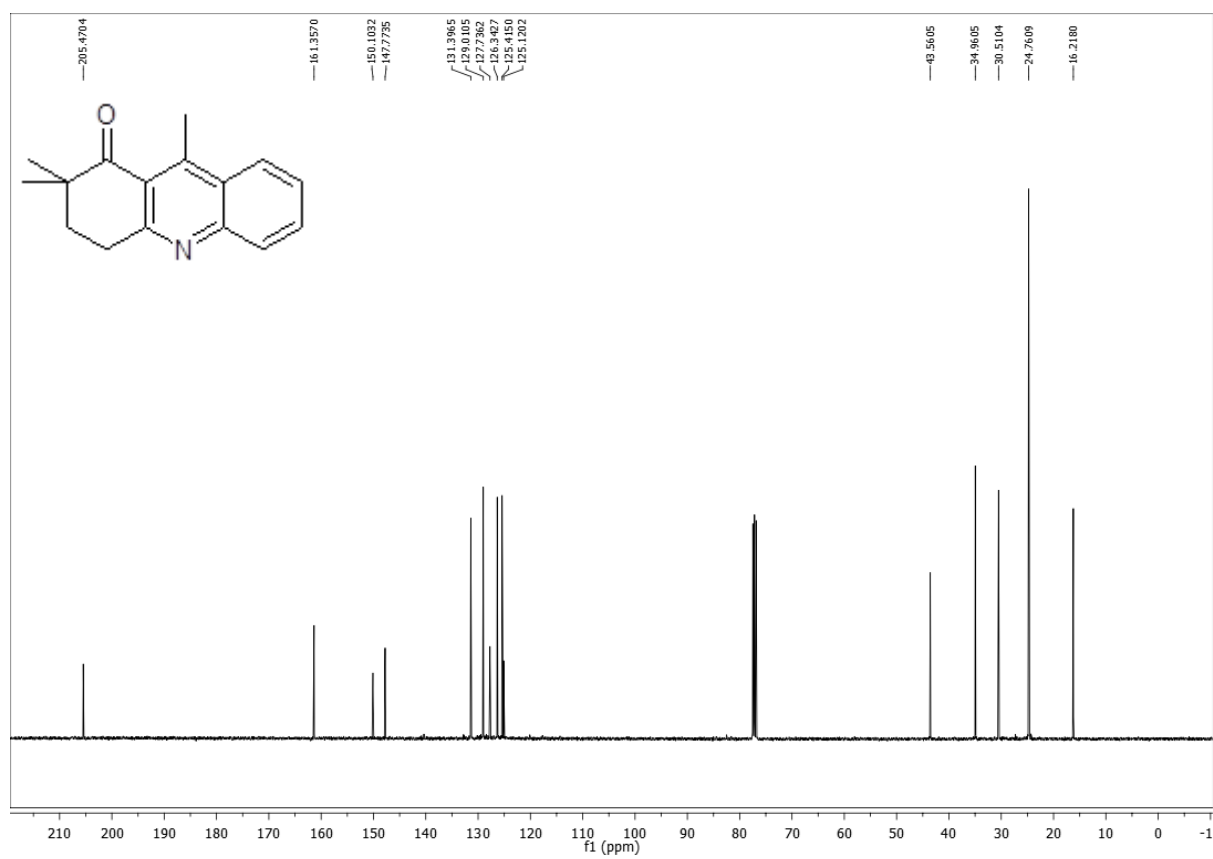
¹H NMR spectrum of 3,4-dihydro-5-methoxy-3,3,9-trimethyl-7-nitroacridin-1(2H)-one **31**



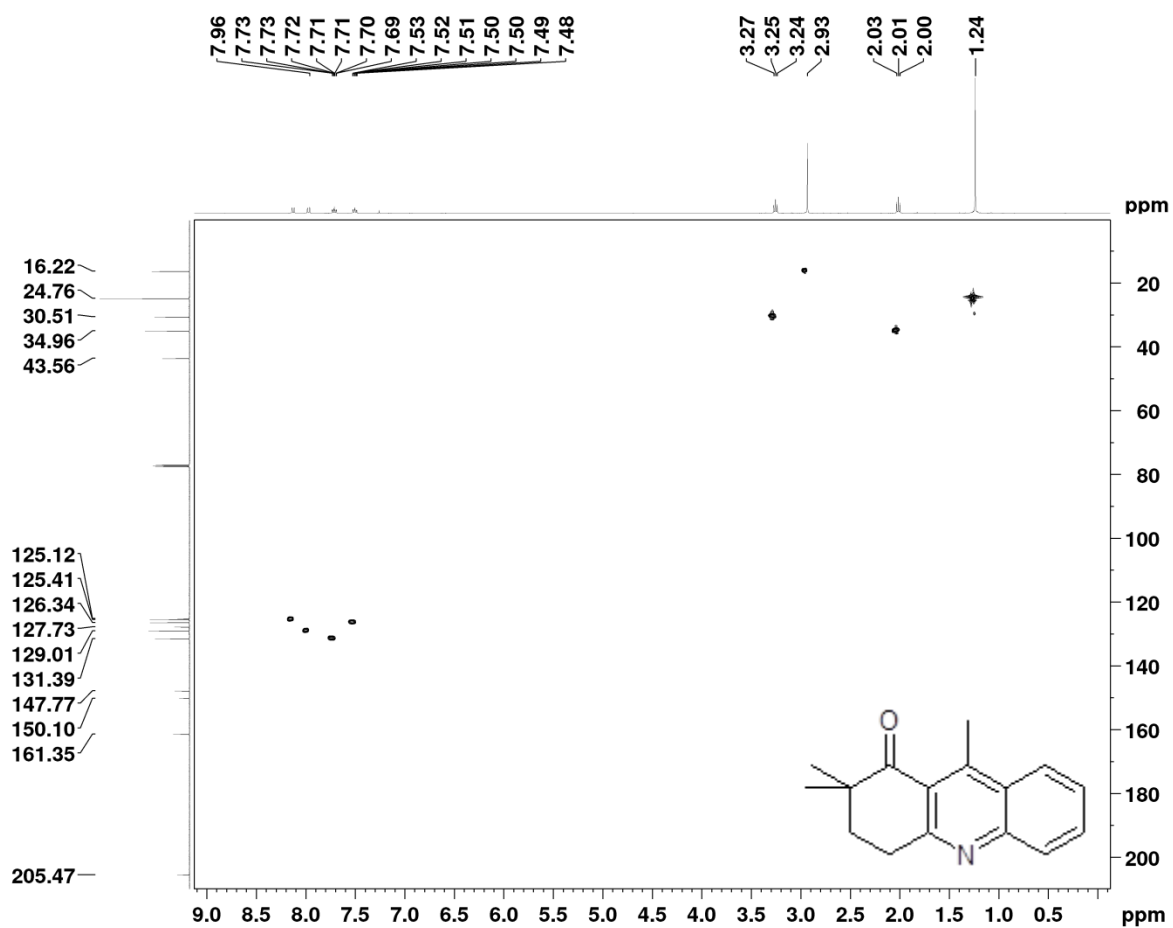
^{13}C NMR spectrum of 3,4-dihydro-5-methoxy-3,3,9-trimethyl-7-nitroacridin-1(2H)-one **31**



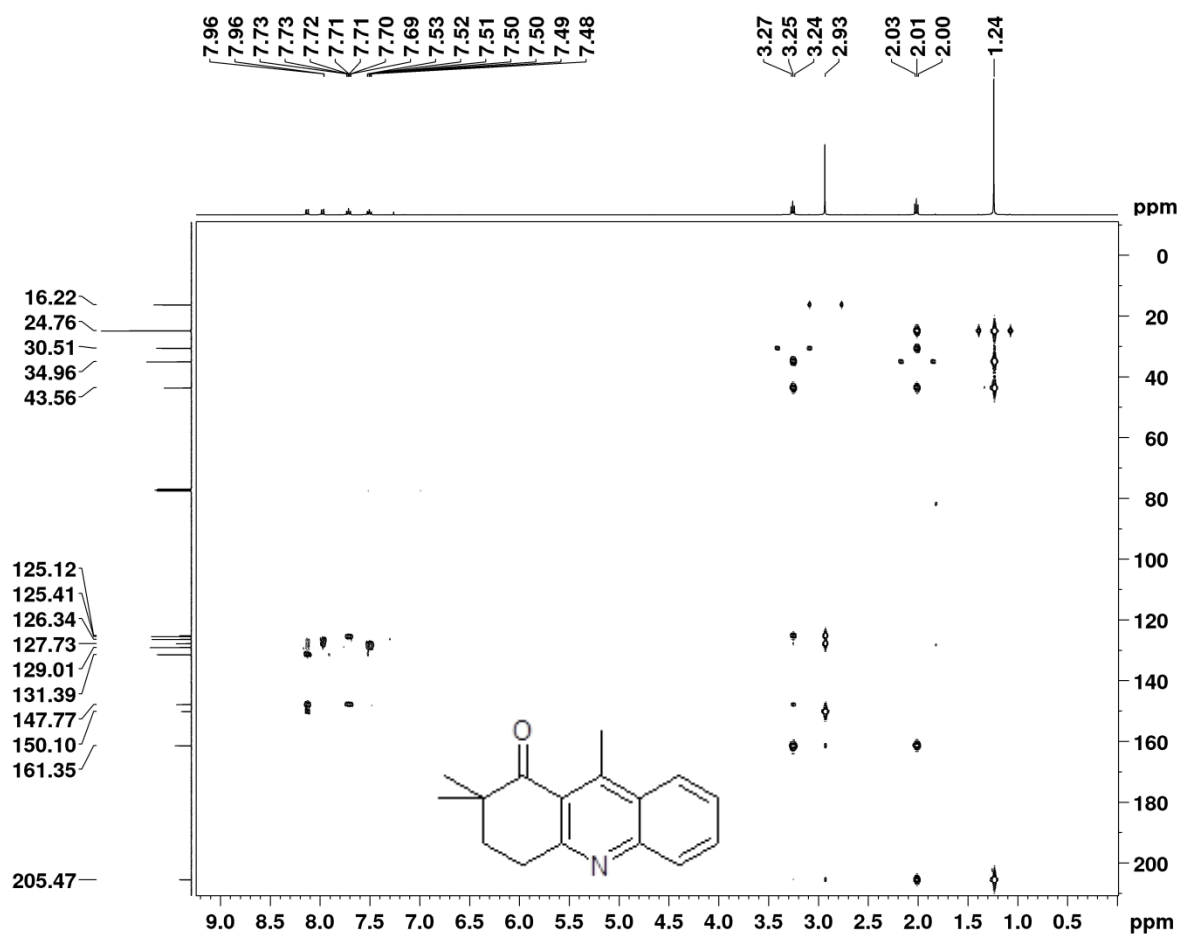
¹H NMR spectrum of 3,4-dihydro-2,2,9-trimethylacridin-1(2H)-one **3d**



^{13}C NMR spectrum of 3,4-dihydro-2,2,9-trimethylacridin-1(2H)-one **3d**



HSQC of 3,4-dihydro-2,2,9-trimethylacridin-1(2H)-one **3d**



HMBC of 3,4-dihydro-2,2,9-trimethylacridin-1(2H)-one **3d**